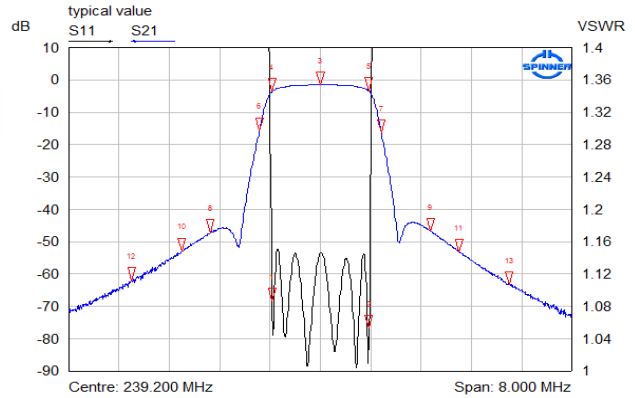


300 W DAB Band Pass Filter || BN 617129C1025



Radio frequency characteristics

Interface 1, Interface 2	7-16 female, 7-16 female
Number / size of cavities	6 / 70
Mask filtering	DAB / T-DMB @ 1.54 MHz, Case 1,2
Passband	174 – 240 MHz
Pass band insertion loss, f_0	$\leq 1,45$ dB @ 174 MHz $\leq 1,7$ dB @ 240 MHz
Effective pass band insertion loss, $f_0 \pm 0.77$	$\leq 1,75$ dB (rms) @ 174 MHz $\leq 2,0$ dB (rms) @ 240 MHz
Pass band insertion loss, $f_0 \pm 0.77$	$\leq 3,5$ dB @ 174 MHz $\leq 4,0$ dB @ 240 MHz
Mask filtering $f_0 \pm 0.97$	≥ 15 dB
Mask filtering $f_0 \pm 1.75$	≥ 45 dB
Mask filtering $f_0 \pm 2.2$	≥ 50 dB
Mask filtering $f_0 \pm 3.0$	≥ 55 dB
VSWR, max.	$\leq 1,17$
Average power capability @ 2300m	≤ 300 W
Harmonic Attenuation for $2 \times f_0$	≥ 50 dB
Harmonic Attenuation for $3 \times f_0$	≥ 10 dB
Crest Faktor	≤ 13 dB
Temperatur stability	≤ 1 kHz/K
Group delay variation (passband)	≤ 1200 ns
Tuning specification	AS6547

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Mechanical characteristics

Case material	aluminium alloy
Case surface finish	painting
Weight, approx.	20 kg
Marking	adhesive label
Dimensions (L x W x H) mm approx.	558 x 448 x 108
Installation	19" slide-in unit or wall mount

Environmental conditions

Ambient temperature range	-10 to +45°C
Relative humidity, max.	95% (non-condensing)
Limitations	see TD-00060

Applicable documents

Technical information	"Environmental Conditions for Broadcast Products", Technical Document TD-00060, Spinner GmbH
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